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FACSIMILE COVER SHEET**RECEIVED
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DATE: December 9, 2004

FOR: Examiner Scott A. Hughes

COMPANY OR FIRM: PTO

FACSIMILE NO.: (703) 872-9306

FROM: David A. Walker

RE: Serial No.: 10/689,423
Docket No.: IO-1095US-D1
Title: "System for Estimating Azimuthal Variations in
Seismic Data"

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 48**IF ANY OF THESE PAGES ARE NOT RECEIVED, PLEASE CALL BETH AT (713) 266-1130, ext. 117**

Response to Office Action Dated October 12, 2004

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By:


Beth Pearson-Naul

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:
Jenner, et al.§
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Docket No: IO-1095US-D1

Serial No: 10/689,423

Art Unit: 3663

Filed: 20 October 2003

Examiner: Scott A. Hughes

Title: System for Estimating Azimuthal
Variations in Seismic Data

Confirmation No.: 2792

MS: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION DATED OCTOBER 12, 2004

This is in response to the Office Action, dated October 12, 2004 for the above-identified patent application. Please amend the above identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 18 of this paper.